

# Coordinated Plan of Study

## North Dakota Career and Technical Education or Academic Scholarship

### TRADE, INDUSTRY & TECHNICAL EDUCATION

Agriculture, Food & Natural Resources Career Cluster	
Course Code	Description
37020	Agriculture & Construction Cluster
Natural Resource Systems Pathway	
Course Code	Description
17410	Exploration of Oil Industry
17413	Petroleum Industry Skills
17950	T&I Capstone
17999	Cooperative Work Experience

Architecture & Construction Career Cluster	
Course Code	Description
37020	Architecture & Construction Cluster
Construction Pathway	
Course Code	Description
17105	Foundations of Building Trades
17100	Building Trades I
17101	Building Trades Summer Academy
17117	Building Trades II
17120	Residential Plumbing
17112	HVAC
17125	Electrical Technology
17150	Electronics Technology I
17151	Electronics Technology II
17152	Electronics Technology III
17950	T&I Capstone
17999	Cooperative Work Experience

Architecture & Construction Career Cluster	
Course Code	Description
37020	Architecture & Construction Cluster
Design/Pre-Construction Pathway	
Course Code	Description
17105	Foundations of Building Trades
17130	Drafting Technology I
17131	Drafting Technology II
10511	*PLTW Introduction to Engineering Design (IED)
17950	T&I Capstone
17999	Cooperative Work Experience

Architecture & Construction Career Cluster	
Course Code	Description
37020	Architecture & Construction Cluster
Maintenance/Operations Pathway	
Course Code	Description
17110	Facilities Maintenance I
17118	Facilities Maintenance II
17120	Residential Plumbing
17115	Sheet Metal Technology
17112	HVAC
17150	Electronics Technology I
17151	Electronics Technology II
17152	Electronics Technology III
17200	Heavy Equipment Operations
17201	Heavy Equipment Mechanics
17950	T&I Capstone
17999	Cooperative Work Experience

Arts, AV Technology & Communications Career Cluster	
Course Code	Description
37030	Arts, A/V Technology & Communications Cluster
Visual Arts Pathway	
Course Code	Description
17072	Commercial Art I
17073	Commercial Art II
17080	Photography
17190	Graphic Communications I
17191	Graphic Communications II
17140	Audio/Visual Production
17950	T&I Capstone
17999	Cooperative Work Experience

Hospitality & Tourism Career Cluster	
Course Code	Description
37030	Arts, A/V Technology & Communications Cluster
Restaurants & Food/Beverage Services Pathway	
Course Code	Description
17050	Culinary Arts I
17051	Culinary Arts II
17950	T&I Capstone
17999	Cooperative Work Experience

Manufacturing Career Cluster	
Course Code	Description
37140	Manufacturing Cluster
Manufacturing Production Process Development Pathway	
Course Code	Description
17150	Electronics Technology I
17151	Electronics Technology II
17152	Electronics Technology III
17950	T&I Capstone
17999	Cooperative Work Experience

Manufacturing Career Cluster	
Course Code	Description
37140	Manufacturing Cluster
Production Pathway	
Course Code	Description
17235	Welding Foundations
17236	Welding Technology I
17237	Welding Technology II
17238	Virtual Center Welding Technology Summer Academy
17230	Machine Tooling Technology
17113	Automated Manufacturing
17950	T&I Capstone
17999	Cooperative Work Experience

Transportation, Distribution & Logistics Career Cluster	
Course Code	Description
37170	Transportation, Distribution & Logistics Cluster
Facility & Mobile Equipment Maintenance Pathway	
Course Code	Description
17030	Auto Collision Tech I
17031	Auto Collision Tech II
17029	Foundations of Automotive
17032	Auto Tech I
17036	Automotive Technology Summer Academy
17037	Auto Tech II
17038	Auto General Service Tech I
17039	Auto General Service Tech II
17035	Parts & Merchandise Management
17040	Diesel Tech
17041	Diesel Technology II
17150	Electronics Technology I
17310	Recreational Small Engine Technology I
17311	Recreational Small Engine Technology
17950	T&I Capstone
17999	Cooperative Work Experience

Transportation, Distribution & Logistics Career Cluster	
Course Code	Description
37170	Transportation, Distribution & Logistics Cluster
Transportation Operations Pathway	
Course Code	Description
17812	Aviation Technology I
17813	Aviation Technology II
17045	Commercial Driver License
17814	Unmanned Aircraft Systems
17950	T&I Capstone
17999	Cooperative Work Experience

- Student must complete at least 2 credits in one Career Cluster/Pathway.
- The top/blue section of the plan consists of more general courses that fit into the career cluster. The second/red section identifies a career pathway within that cluster and contains courses intended to better prepare students interested in that specific pathway.
- To complete two credits in a coordinated plan of study, a student chooses two or more courses to equal that number of credits, utilizing courses from both sections.
- \*PLTW Endorsement required to teach this course.